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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/614,882	07/09/2003	Akifumi Kamijima	116467	9910
25944	7590 12/31/20		EXAM	INER
OLIFF & BERRIDGE, PLC P.O. BOX 19928			GURLEY, L	YNNE ANN
	NA, VA 22320		ART UNIT	PAPER NUMBER
			2812	

DATE MAILED: 12/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Symmetry	10/614,882	/614,882 KAMIJIMA, AKIFUMI	
Office Action Summary	Examiner	Art Unit	
THE PARTY OF THE P	Lynne A. Gurley	2812	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet v	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statt - Any teply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).  Status		reply be timely filed  try (30) days will be considered timely.  WTHS from the mailing date of this communication.  BANDONED 35 U.S.C.\$ 133).	
1) Responsive to communication(s) filed on 09	July 2003.		
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ Thi	is action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under	vance except for formal ma r <i>Ex parte Quayle</i> , 1935 C.I	ters, prosecution as to the ments is 0. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-4 is/are pending in the application	1.		
4a) Of the above claim(s) 1-3 is/are withdraw	n from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>4</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9) The specification is objected to by the Examin			
10)☐ The drawing(s) filed on is/are: a)☐ ac			
Applicant may not request that any objection to th	•		
Replacement drawing sheet(s) including the corre			
11) The oath or declaration is objected to by the E	Examiner. Note the attache	d Office Action or form PTO-152.	
Priority under 35 U.S.C. §§ 119 and 120			
12)⊠ Acknowledgment is made of a claim for forei a)⊠ All b)□ Some * c)□ None of:	gn priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
1. ☐ Certified copies of the priority documer	nts have been received.		
2. Certified copies of the priority documer	nts have been received in A	application No	
<ol> <li>Copies of the certified copies of the pri application from the International Bure.</li> </ol>		received in this National Stage	
* See the attached detailed Office action for a lis		received.	
13) Acknowledgment is made of a claim for domes since a specific reference was included in the f	stic priority under 35 U.S.C. irst sentence of the specific	§ 119(e) (to a provisional application) ation or in an Application Data Sheet.	
37 CFR 1.78. a) ☐ The translation of the foreign language p	rovisional application has b	een received.	
14) Acknowledgment is made of a claim for domes reference was included in the first sentence of	stic priority under 35 U.S.C.	§§ 120 and/or 121 since a specific	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413) Paper No(s)	
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)</li> </ul>	5) 🔲 Notice of I	nformal Patent Application (PTO-152)	

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### Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1-3, drawn to a method of making a semiconductor device, classified in class 438, subclass 622.
  - II. Claim 4, drawn to a semiconductor device, classified in class 257, subclass 735+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process as claimed can be used to make another and materially different product, i.e. a product which does not require that the second portion be coupled to an end of the first portion near an (N+1)th sublayer.
- 3. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.
- 4. During a telephone conversation with Seth Kim on 12/1/03 a provisional election was made with traverse to prosecute the invention of Group II, claim 4. Affirmation of this election must be made by applicant in replying to this Office action. Claims 1-3 have

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been withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

#### Priority

5. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

## Specification

6. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

#### Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claim 4 is rejected under 35 U.S.C. 102(b) as being anticipated by JP8-330736, dated 12/13/96.

JP8-330736 shows the method as claimed in the abstract and figures 1-2, with the metal film 7 being stacked by electroplating to form protrusions. In the figures, the protrusions extend outward more than the sidewall of the first portion of the Nth sublayer.

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9. Claim 4 is rejected under 35 U.S.C. 102(b) as being anticipated by JP 02123511,

dated 5/11/90.

JP 02123511 shows the method as claimed in the abstract and figures 1-2, with

the metal film 6 being stacked to form protrusions. In the figures, the protrusions extend

outward more than the sidewall of the first portion of the Nth sublayer.

Prior Art Of Record

10. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. See Kamijima (US 6,558,516) for a frame plating method.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lynne A. Gurley whose telephone number is 703-305-

3474. The examiner can normally be reached on M-F 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Niebling can be reached on 703-308-3325. The fax phone number for

the organization where this application or proceeding is assigned is 703-308-7722.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 308-308-

0956.

LYNNE GURLEY
PATENT EXAMINER

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LAG December 8, 2003